

Converting Colors

$Yxy(78.9876, 0.3744, 0.4318)$

Have a look what the booklet for
Yxy(78.9876, 0.3744, 0.4318)
contains.

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Color

Yxy(78.8850, 0.3749, 0.4319)

Conversions

Conversions Part 1

Format	Color
Hex	EBEB89
RGB	235, 235, 137
RGB Percent	92%, 92%, 54%
CMY	0.0786, 0.0784, 0.4627
CMYK	0.00, 0.00, 0.42, 0.08
HSL	60°, 71%, 73%
HSV	60°, 42%, 92%
XYZ	68.4742, 78.8850, 35.2873
YIQ	223.8280, 31.4580, -30.4780

Conversions

Conversions Part 2

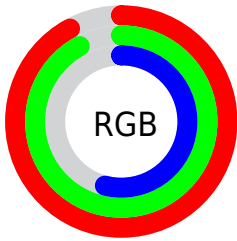
Format	Color
RYB	137, 235, 137
Decimal	15461257
CIELab	91.18, -13.76, 47.42
CIELCh	91, 49.376, 106.186
Yxy	78.8850, 0.3749, 0.4319
Android (android.graphics.Color)	4293651337 (0xFFEBEB89)
YUV	223.8280, -42.8062, 9.7978
Hunter-Lab	88.8172, -17.8145, 38.6160

Details

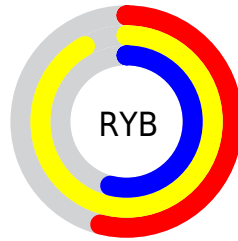
The Yxy color **78.8850, 0.3749, 0.4319** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.2184, 0.2349, 0.2002**, and the grayscale version is **74.7051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **42.3611, 0.3869, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **78.2833, 0.3880, 0.4535**, and if you desaturate by 10%, it is **79.6408, 0.3605, 0.4081**.

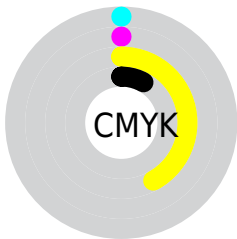
Distribution



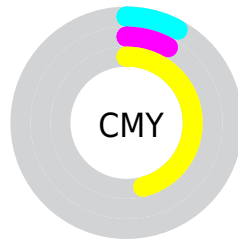
- Red (92%)
- Green (92%)
- Blue (54%)



- Red (54%)
- Yellow (92%)
- Blue (54%)



- Cyan (0%)
- Magenta (0%)
- Yellow (42%)
- Black (8%)





- Cyan (8%)
- Magenta (8%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8850, 0.3749, 0.4319 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 78.8850, 0.3749, 0.4319 by changing the saturation by 10% instead.


 78.8850, 0.3749,
0.4319

 78.8850, 0.3749,
0.4319


491.1672, 0.3482,
0.3848


 58.8013, 0.3803,
0.4423

 131.7970, 0.3662,
0.4158

 42.4532, 0.3864,
0.4547

 165.3940, 0.3627,
0.4095

 29.4563, 0.3935,
0.4700


 204.2642, 0.3595,
0.4040

 19.4263, 0.4015,
0.4889

248.7920, 0.3567,
0.3992

 11.9787, 0.4098,
0.5122

299.3618, 0.3543,
0.3949

 6.7292, 0.4195,
0.5446


356.3580, 0.3521,


 3.2933, 0.4206,

0.3912

0.5794

420.1650, 0.3501,
0.3878

 1.2867, 0.3952,
0.6048


 0.1309, 0.0000,
1.0000

 78.8850, 0.3749,
0.4319


 78.8850, 0.3749,
0.4319


 78.2833, 0.3880,
0.4535


 79.6408, 0.3605,
0.4081


 77.8152, 0.3992,
0.4721


 80.5487, 0.3454,
0.3831


 77.4736, 0.4080,
0.4867


 81.6203, 0.3302,
0.3579

 77.2461, 0.4142,
0.4970

 82.8632, 0.3152,
0.3331


 77.1178, 0.4178,
0.5030


 84.2844, 0.3009,
0.3094

 77.0669, 0.4192,
0.5053

 84.3178, 0.3006,
0.3090

 84.3204, 0.3006,
0.3090

 84.3230, 0.3006,
0.3090

 84.3257, 0.3006,
0.3090

Harmonies

Analogous

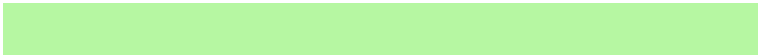
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8850, 0.4155, 0.4053



78.8850, 0.3749, 0.4319



78.8850, 0.3197, 0.4280

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8850, 0.3749, 0.4319



78.8850, 0.2095, 0.2776



78.8850, 0.3561, 0.2786

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.8850, 0.3749, 0.4319



29.2184, 0.2349, 0.2002

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8850, 0.2970, 0.2500



78.8850, 0.3749, 0.4319



78.8850, 0.2169, 0.2466

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8850, 0.3749, 0.4319



78.8850, 0.2261, 0.3292



78.8850, 0.2472, 0.2382



78.8850, 0.4061, 0.3187

Rectangle

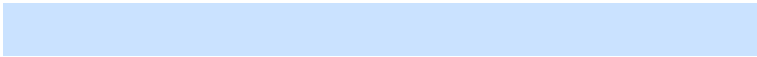
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8850, 0.3749, 0.4319



78.8850, 0.2825, 0.4047



78.8850, 0.2472, 0.2382



78.8850, 0.3364, 0.2675

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.8886, 0.3749, 0.4319



98.0418, 0.3322, 0.3613



37.3663, 0.4207, 0.3293



20.9214, 0.3356, 0.3669



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8886, 0.3749, 0.4319



94.3096, 0.3861, 0.4505



71.6750, 0.3388, 0.4458



17.6265, 0.3268, 0.3523



42.8836, 0.4192, 0.5053



3.3676, 0.4192, 0.5053

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.2184, 0.2349, 0.2002



27.0852, 0.2164, 0.1697



34.3346, 0.2738, 0.2127



14.5494, 0.2980, 0.3046



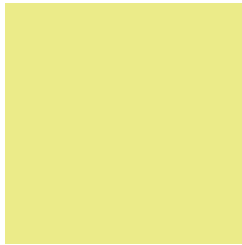
3.3390, 0.1500, 0.0600



0.2624, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 78.8850, 0.3749, 0.4319 looks on a white background.

Color Contrast Check

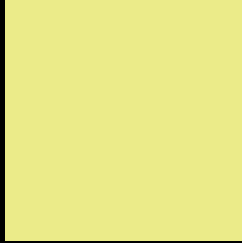
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 78.8850, 0.3749, 0.4319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

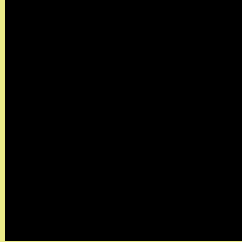
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8850, 0.3749, 0.4319

Background



This preview shows how black text looks on a background with the Yxy color 78.8850, 0.3749, 0.4319.



This preview shows how white text looks on a background with the Yxy color 78.8850, 0.3749, 0.4319.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.8850, 0.3749, 0.4319

Protanopia

78.8521, 0.3903, 0.4248

Deuteranopia

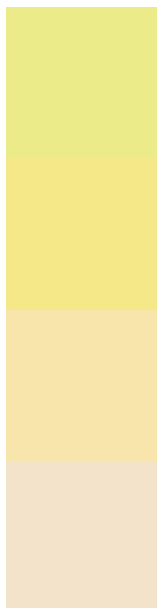
78.9162, 0.3570, 0.3627



Tritanopia

78.8408, 0.3184, 0.3120

Trichromacy



Original Color

78.8850, 0.3749, 0.4319

Protanomaly

78.9033, 0.3843, 0.4273

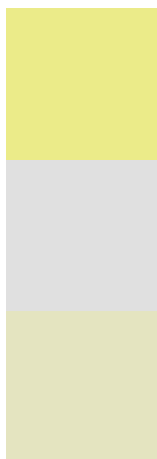
Deuteranomaly

78.9736, 0.3645, 0.3880

Tritanomaly

78.3047, 0.3401, 0.3541

Monochromacy



Original Color

78.8850, 0.3749, 0.4319

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.7866, 0.3364, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8850, 0.3749, 0.4319 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(235, 235, 137)` looks like.

```
.text, #text, p{  
    color:rgb(235, 235, 137)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 235, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 235, 137) }
```

Border

The CSS property to change the border of an element to Yxy 78.8850, 0.3749, 0.4319 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 235, 137) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 235, 137) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 235, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 235, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 235, 137); box-shadow:4px 4px 4px 4px rgb(235, 235, 137) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8850, 0.3749, 0.4319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 235, 137) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
235, 137) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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